

Proposal Number: IN/CBE/QUOTE/2016/40

Dated: 7th July '2016

To, The Principal, Government Madhav Science P.G. College, Dewas Road, Ujjain, Madhya Pradesh, India

<u>Sub:</u> Proposal for 'Awareness Training on WHO GMP guidelines for Pharmaceutical products'

Respected Sir,

Thank you so much for showing interest in our services. Based on our discussion with Dr. Arpan Bhardwaj, we are pleased to present as below the charges for WHO GMP training alongwith applicable terms & conditions.

TRAINING COURSE DETAILS:

- Course Title: WHO GMP Awareness Training Course
- No. of participants: 20 nos. (max)
- **Preferred Facilities for conducting the course:** Conference room / Auditorium, LCD Projector, White Board, White Board Markers, Pointer, Flip Charts.
- **Deliverables:** Participants shall be required to appear for examination at the end of training course. Certificates will be awarded to participants successfully clearing the examination.

Total Charges:

| Sr. No. | Activity | Duration | Charges (INR) |
|------------|--|----------------------|---------------|
| 1. | Awareness Training on WHO GMP guidelines for Pharmaceutical products | 2 man-days | 45,000 |
| | | Total Charges | INR 45,000/- |

*Note:

- 1. Taxes Service Tax as applicable will be charged extra at actual as per government norms.
- Travel & Sojourn Travel & Sojourn Cost of Trainer will be charged extra at actual in addition to above charges. Accomodation & Local Conveyence for Trainer needs to be arranged by your company.
- 3. Payment Terms 100 % of the total charges mentioned above are payable in advance. Balance payment towards Travel & Sojourn Cost, Service Tax to be paid within 15 days after receipt of invoice upon completion of training.
- 4. Validity of Proposal 30 Days from the date of this offer

CLIENTELE:

SGS FEELS PROUD TO BE ASSOCIATED WITH RENOWNED COMPANIES LIKE CIPLA, PROCTER AND GAMBLE, USV PHARMA, GLAXO, IDEAL CURES, SHRIJI POLYMERS, NESTLE, UNILEVER, PEPSICO, VEDANTA, NPC, ALSTOM, PHILIPS, COCA-COLA, DHL, H&R JOHNSON, HLL LIFECARE, MONSANTO, VARDHMAN HEALTH SPECIALITIES, BRITISH BIOLOGICALS, NTPC, TRIVITRON HEALTHCARE, NOVARTIS, APTAR PHARMA, LOREAL, TTK, FIRMENICH, HINDUSTAN NATIONAL GLASS, AEGIS LOGISTICS, ICICI BANK, FAURECIA, HERTZ CHEMICALS, TERUMO PENPOL



Incase you require any further clarifications / additional information, please feel free to contact us. Thanking you and assuring our best of services always,

Yours sincerely, For SGS India Pvt Ltd

K.B. 9

Kaival Shah

Assistant Manager - Sales M: +91 8128694331

Email: kaival.shah@sgs.com

ACCEPTANCE:

On behalf of M/s Government Madhav Science P.G. College, Ujjain

We confirm hereby that the terms & conditions mentioned in the proposal is acceptable & agree to pay all costs as stated in this offer.

| Name: | Position: | |
|------------|-----------|--|
| Signaturo | Dato | |
| Signature: | Date: | |



Office of the Principal, Govt. Madhav Science P. G. College Ujjain(M.P.)

| No | Date: |
|------|-------|
| 190. | Date. |

List of participants in two days training program on WHO- GMP participation

| S. No. | STUDENT NAME LIST | Class | |
|--------|---------------------------|---------------------------|--|
| 1. | Mr. Mahendra Singh Gehlot | M.Sc. I sem | |
| 2. | Mr. Rajesh Malviya | M.Sc. I sem | |
| 3. | Mr. Rakesh Anjana | M.Sc. I sem | |
| 4. | Miss Reshma Mansharamani | M.Sc. I sem | |
| 5. | Mr. Kamal Kamodia | M.Sc. I sem | |
| 6. | Miss Upama Tiwari | M.Sc. I sem | |
| 7. | Miss Priyanka Chouhan | M.Sc. I sem | |
| 8. | Miss Pooja Varnasiya | M.Sc. I sem | |
| 9. | Miss Varsha Choudhary | M.Sc. I sem | |
| 10. | Mr. Manohar Singh Anjana | M.Sc. I sem | |
| 11. | Miss Aayushi Patidar | M.Sc. I sem, GDC | |
| 12. | Miss Mayuri Soner | M.Sc. I sem, GDC | |
| 13. | Miss Neha Shrivastava | M.Sc. I sem, GDC | |
| 14. | Miss Anita Rajora | M.Sc. I sem, GDC | |
| 15. | Miss Divya Gurjar | M.Sc. III sem | |
| 16. | Mr. Rajesh Waghela | M.Sc. III sem | |
| 17. | Mr. Abhishek Choursiya | M.Sc. III sem | |
| 18. | Mr. Vasudev Soni | M.Sc. III sem | |
| 19. | Miss Neha Kashyap | M.Sc. III sem | |
| 20. | Mr. Satish patidar | M.Sc. III sem | |
| 21. | Miss Anjali Tiwari | M.Sc. III sem | |
| 22. | Miss Kajal Pandey | M.Sc. IV sem | |
| 23. | Miss Surbhi Shukla | M.Sc. IV sem | |
| 24. | Mr. Kishor Singh Hada | M.Sc. IV sem | |
| 25. | Mr. Yogesh Bairagi | B.Sc. III sem | |
| 26. | Mr. Sanjay Gyani | Alchemy chemicals, Ujjain | |
| 27. | Mr. Nipun Maheshwari | Osmed formulations | |
| 28. | Mr. Mitesh Ladha | Vintochem Pharma | |
| 29. | Mr. Meghant Jain | Super Pharma Products | |
| 30. | Mr. Ashok Jain | Zurich Health Care | |
| 31. | Dr. Piyush Tiwari | India Phosphate, Ujjain | |
| 32. | Mr. Sushil Rathor | Shriji Polimer, Ujjain | |
| 33. | Mr. Arvind Singh Sisodiya | Sun Pharma, Dewas | |
| 34. | Mrs. Komal Chelaramani | Faculty | |
| 35. | Miss Priyanka Khare | Faculty | |
| 36. | Miss Shruti Sharma | Faculty | |
| 37. | Miss Namrata Vyas | Faculty | |

GMP

GOOD MANUFACTURING PRACTICES

A Quality system for assuring A Quality Product



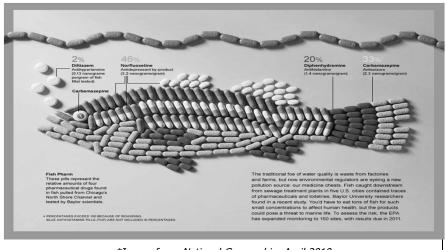
WHEN YOU NEED TO BE SURE



- What is cGMP?
- Various guidelines related to cGMP
- Self Inspection
- Conducting Internal Audits
- Approaches / style of current regulatory inspections
 - direct interaction of inspectors with the Doers at shop-floor.



IS YOUR MEDICINE SAFE ????



*Image from National Geographic, April 2010

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SGS WHAT IS GMP?

■ Good Manufacturing
Practice is a set of
regulations, codes, and
guidelines for the
manufacture of drug
substances and drug
products, medical
devices, in vivo and in
vitro diagnostic
products, and foods.



Fig.4 GMP handbooks for every industry



GOOD MANUFACTURING PRACTICES WORLDWIDE ENFORCEMENT

- Good Manufacturing Practices are enforced in the United States by the FDA
- In the United Kingdom by the Medicines and Healthcare Products Regulatory Agency
- GMPs are enforced in Australia by the Therapeutically Goods Administration
- In India by the Ministry of Health, multinational and/or foreign enterprises

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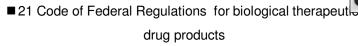
ATIME LINE OF GMP

- 1902 Development of the Biologic Control Act
- 1906 Development of the Pure Food and Drug Act
- 1938 Federal Food, Drug and Cosmetic Act
- 1941 Initiation of GMP
- 1944 Development of Public Health Services Act
- 1962 Kefauver-Harris Drug Amendments released
- 1963 Establishment of GMPs for Drugs
- 1975 CGMPs for Blood and Components Final Rule
- 1976 Medical Device Amendments
- 1978 CGMPs for Drugs and Devices
- 1979 GLPs Final Rule
- 1980 Infant Formula Act is passed



THE LAWS ... & THE NEED FOR LAWS

- Sulphonamide disaster in 1937
- Similar incidents in UK for IV fluids 1972
- Haitian disaster 1997



■ Parts 210 and 211







NITIATION OF GMP

- Sulfathiaziole tablets contaminated with phenobarbital
- 1941 300 people died/injured
- FDA to enforce and revise manufacturing and quality control requirements

CERTIFICATE OF PURITY



Fig. 5 1906 Certificate of Purity signed by doctor

■ 1941 - GMP is born



1962 KEFAUVER-HARRIS DRUG AMENDMENTS

- Thalidomide tragedy
- Thousands of children born with birth defects due to adverse drug reactions of morning sickness pill taken by mothers
- Strengthen FDA's regulations regarding experimentation on humans and proposed new way how drugs are approved and regulated

"Proof of efficacy" law



Fig 6. Kennedy signing the Kefauver Harris Drug Amendments

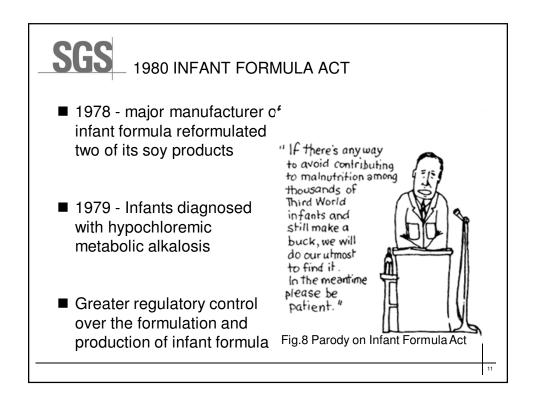
SGS 1976 MEDICAL DEVICE AMENDMENTS

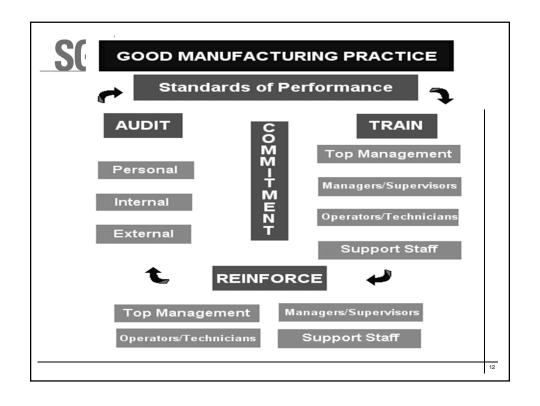
- 1972 and 1973 -Pacemaker failures reported
- 1975 hearing-Dalkon Shield intrauterine device caused thousands of injuries
- Class I, II and III medical devices – based on degree of control necessary to be safe and effective



President Gerald Ford signs the Medical Device Amendments

Fig.7 President Gerald Ford signs the Medical Device Amendments









- ■first developed in 1962 congressional legislation.
- ■ensure that the pharmaceutical products available to the public be safe, pure, and effective.
- ■FDA is a Federal Agency, part of the Department of Health and Human Services.
- ■The basis for the development of GMP is the Federal Food, Drug, and Cosmetic Act passed by Congress in 1938. The 1962 law was an Amendment to the Federal Food, Drug, and Cosmetic Act.

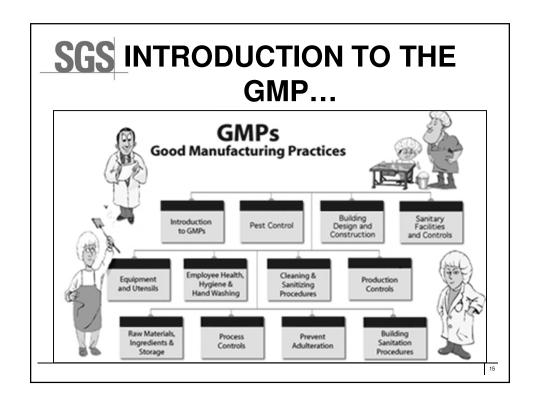
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GMPS FOCUS ON:

- Raw materials
- Manufacturing process
- Adequate quality control measures during manufacture, at time of release right up to end of shelf life









WHY IS IT MANDATORY?

- To promote good nutrition and informed use of drugs, food, medical devices and natural health products.
- To maximize the safety and efficacy of drugs, food, natural health products, medical devices, biologics and related biotechnology products in the Canadian marketplace and health system.



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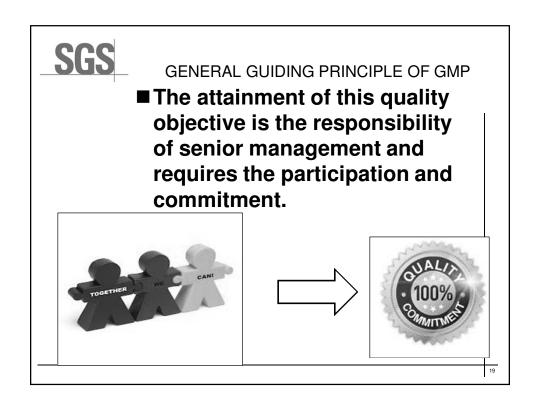
GENERAL GUIDING PRINCIPLE OF GMP

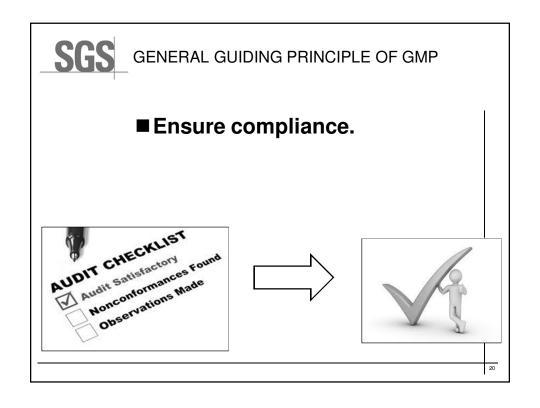
■The holder of an establishment license, or any operation, must ensure safety and quality.

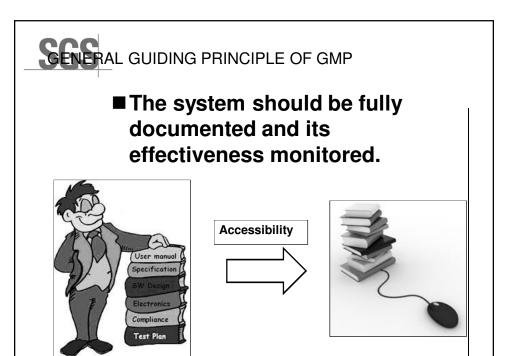


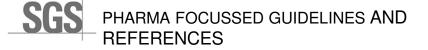












- GMP applies to both Active Pharmaceutical Ingredients (APIs) and Finished Pharmaceutical Products (FPPs)
 - FPP:

WHO Good Manufacturing Practices for pharmaceutical products main principles. WHO Technical Report Series, No. 908, 2003, Annex 4.

API:

WHO good manufacturing practices for active pharmaceutical ingredients - Annex 2, WHO Technical Report Series 957, 2010 (Based on ICH Q7)

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GOOD MANUFACTURING PRACTICES (FPP):

- 1. Quality assurance
- 2. Good manufacturing practices for pharmaceutical products
- 3. Sanitation and hygiene
- 4. Qualification and validation
- 5. Complaints
- 6. Product recalls
- 7. Contract production and anal
 - General
 - The contract giver
 - The contract accepter
 - The contract



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GOOD MANUFACTURING PRACTICES (CONT'

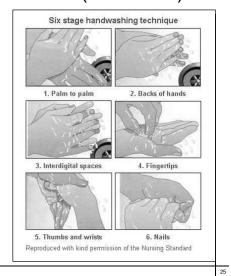
- 8. Self-inspection and quality audits
- 9. Personnel
 - General
 - Key personnel
- 10. Training



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GOOD MANUFACTURING PRACTICES (CONT'D)

- 11. Personal hygiene
- 12. Premises
 - General
 - Ancillary areas
 - Storage areas
 - Weighing areas
 - Production areas
 - Quality control area
- 13. Equipment



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14. Materials

- General
- Starting materials
- Packaging materials
- Intermediate and bulk products
- Finished products
- Rejected, recovered, reprocessed and reworked materials
- Recalled products
- Returned goods
- Reagents and culture media
- Reference standards
- Waste materials
- Miscellaneous



MATERIAL



GOOD MANUFACTURING PRACTICES (CONT'D)



15. Documentation

- General
- Documents required:
 - · Labels
 - · Testing procedures
 - Specifications for starting and packaging materials, for intermediate and bulk products and for finished products
 - · Master formulae and Batch Manufacturing Records
 - · Packaging instructions and Batch Packaging Records
 - · Standard Operating procedures (SOP's) and records
 - · Logbooks

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GOOD MANUFACTURING PRACTICES (CONT'L)

- 16. Good practices in production
 - General
 - Prevention of cross-contamination and bacterial contamination during production
 - Processing operations
 - Packaging operations
- 17. Good practices in quality control
 - Control of starting materials and intermediate, bulk and finished products
 - Test requirements
 - Batch record review
 - Stability studies



GMP CATEGORIES

- ✓ Sale
- ✔ Premises
- Equipment
- ✓ Personnel
- ✓ Sanitation
- Raw Material Testing
- ✓ Manufacturing Control

- ✓ Quality Control Department
- ✓ Packaging Material Testing
- ✓ Finished Product Testing
- Records
- J Samples
- ✓ Stability
- Sterile Products
- ✓ Medical Gases

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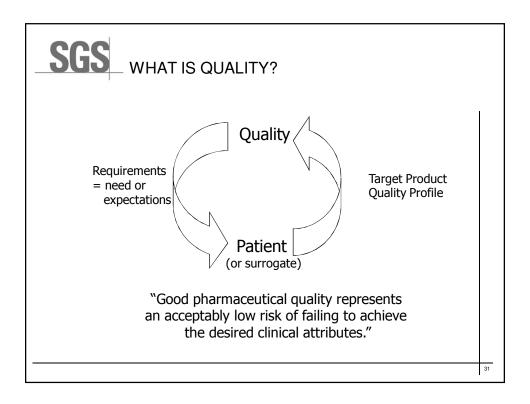
_ QUALITY BY DESIGN



Processes

Products





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GMP-INTERNATIONAL

■ GMPs are in effect in almost 104 countries, either as regulations, codes, directives or guidelines.

■ US FDA, TGA (Australia), UK (MHRA) or Government of India.

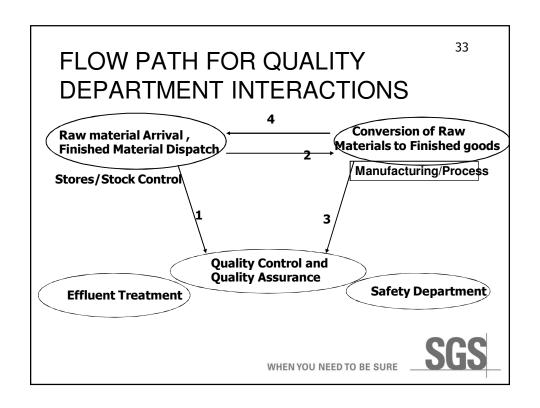
■ Australia- as Code

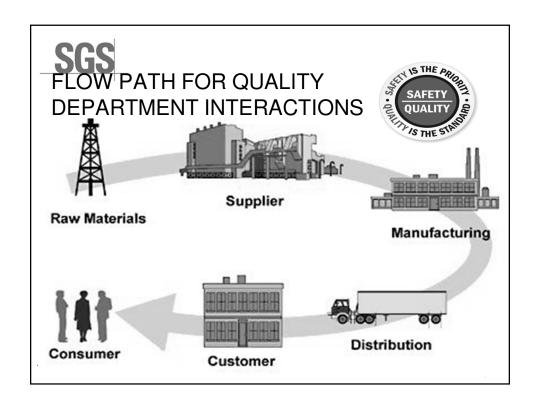
■ UK - as Guidelines

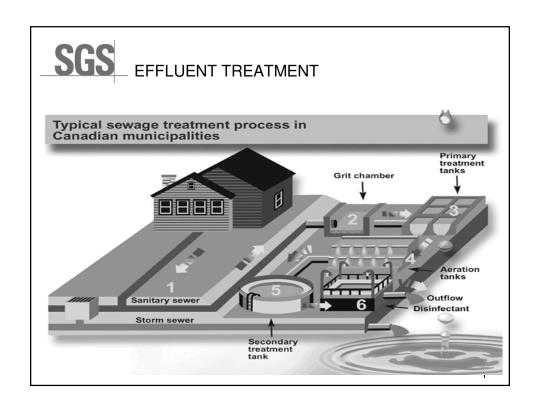
■ Europe- as Directives

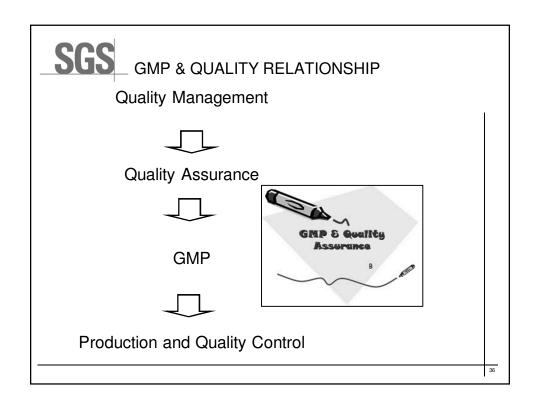
USA, Japan and Korea- as Regulations.

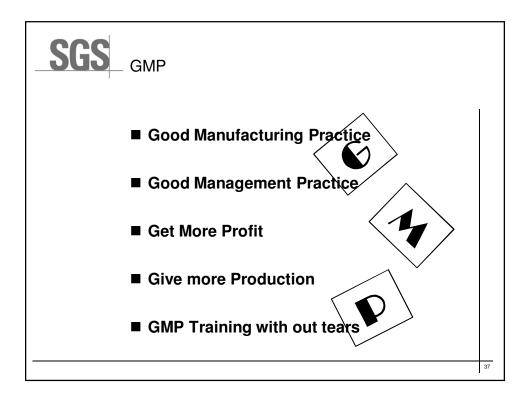


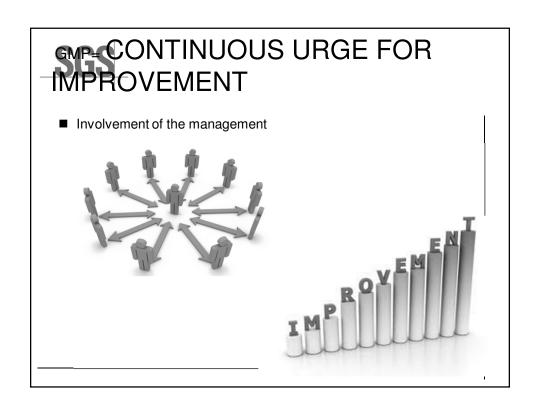


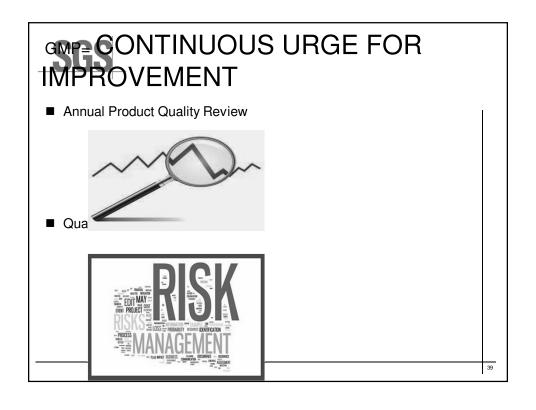


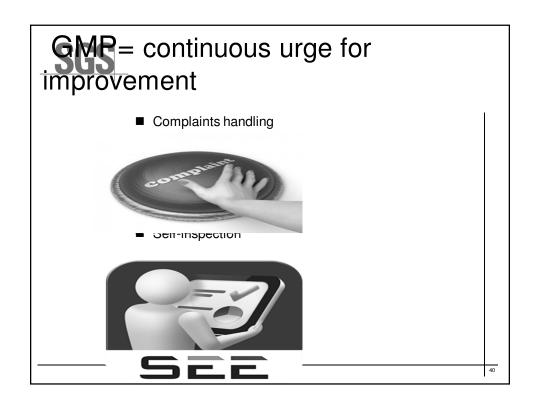










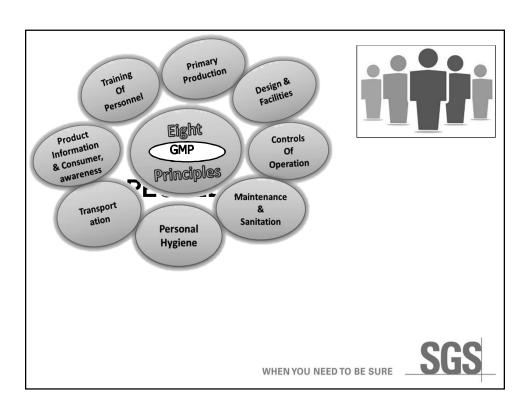




CGMP: CAN GUARANTEE MY PRODUCTS!!

Four primary areas of concern

- Contamination: any substance or energy that adversely affects drug performance
- Goof Ups: errors of omission and commission of human origin
- Mix Ups: special case of human error through gross negligence and carelessness
- Process Inconsistency: a process that is unstable and unreliable

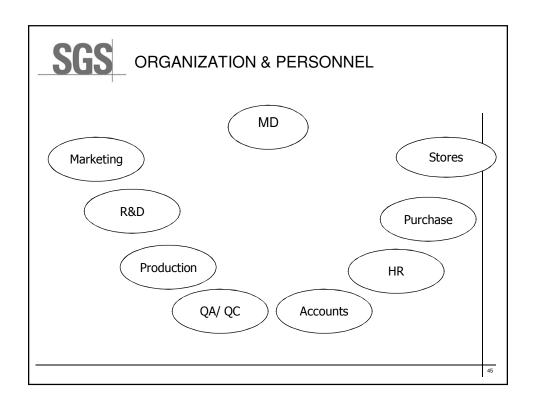


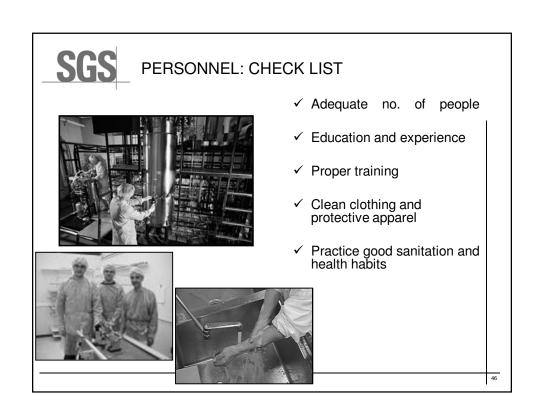


- ✓ ■People
- ✔ Primary materials
- ✓ Premises
- ✓ Procedures
- ✔ Processes defined and recorded

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PEOPLE.... WHEN YOU NEED TO BE SURE SGS







PROTECTING YOURSELF







- Wear the clothing and protective wear identified in your risk assessment
- Laboratory coats must be kept fastened
- Don't wear sandals or open shoes
- Long hair must be tied back

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PROTECTING YOURSELF - GLOVES

- There are many different types of protective glove
- Use the correct ones for the job you will be doing
- Remember that you need to select chemical protection gloves according to the materials and/or substances with which you will be working
- Remove your gloves before using instruments, telephone, and leaving the laboratory







HOW TO DO A RISK ASSESSMENT?

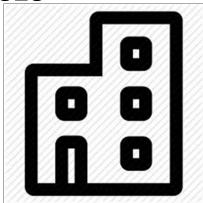
- Determine **hazards** and evaluate **risks**
- Use all relevant available data
- Determine **controls** needed to minimise those risks
- **Document** the assessment
- Agree it with your supervisor
- **Use** those control measures



You will receive specific training on how to do this in your department

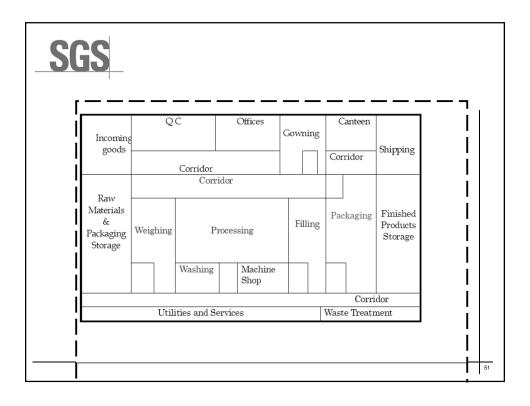
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PREMISES



WHEN YOU NEED TO BE SURE

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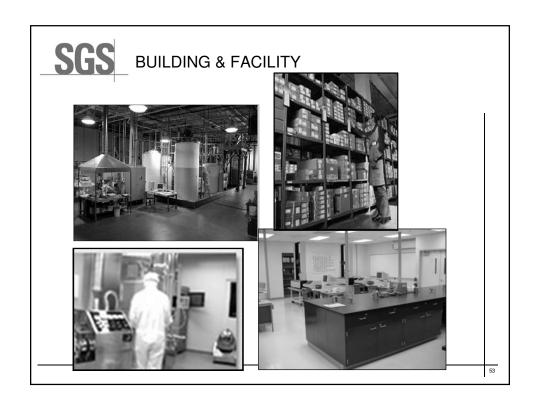


BUILDING & FACILITY

- ✓ Suitably located to avoid product contamination and cross contamination.
- ✓ <u>Designed and constructed</u> for intended operations and to avoid operational errors.

√ Cleaning and maintenance







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PRODUCT AREAS

- Premises should preferably be laid out in such a way as:
 - To allow the production to take place in areas connected in a logical order corresponding to the sequence of the operations, the requisite cleanliness levels,
 - To avoid crowding and disorder,
 - To allow effective communication and supervision.



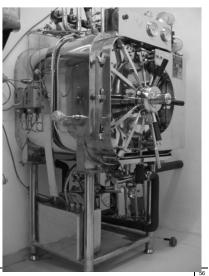


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EQUIPMENT

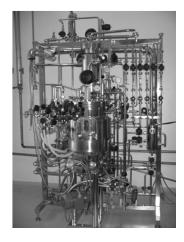
- ✓ Proper size, design, location
- ✓ Easy to use, clean, maintain
- ✓ Inert surfaces
- √ Validated before being put to use.





EQUIPMENT

- SOPs for
 - cleaning,
 - maintenance,
 - operations,
 - sanitization,
 - calibration
 - performance checks
 - Assignment of responsibilities



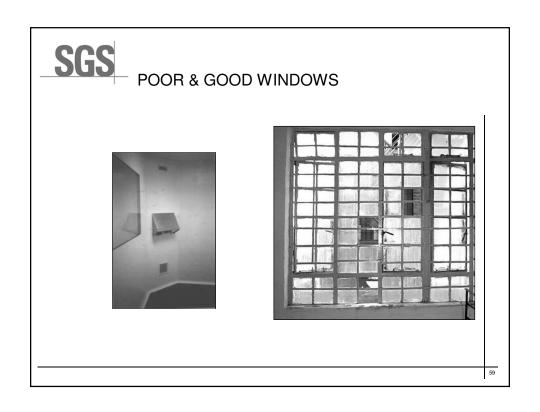
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PAINT FINISH...

Not only building paintwork must be considered but also equipment









GENERAL HAZARDS

- Fire
- Breakage of glassware
- Sharps
- Spillages
- Pressure equipment & gas cylinders
- Extremes of heat & cold
- Chemical hazards
- Biological hazards
- Radiation



And many more!

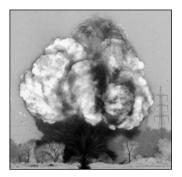
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WHEN IN DOUBT - ASK!!!

 Do not carry out a new or unfamiliar procedure until you have been fully trained & understand the precautions necessary for safe working







WHEN YOU NEED TO BE SURE

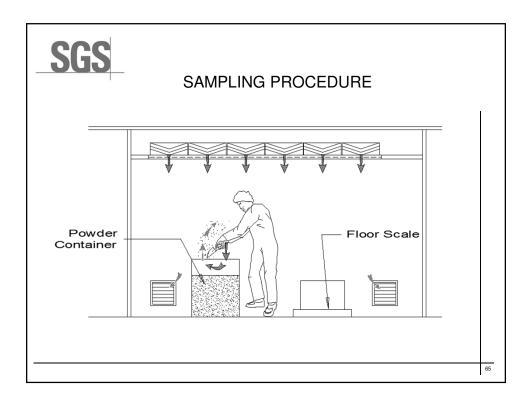


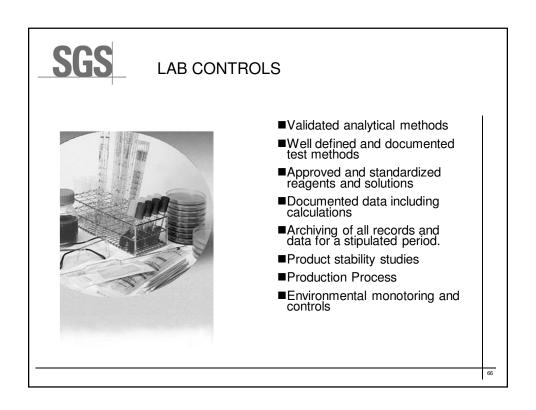
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LAB CONTROLS

- Well equipped Quality Control Laboratory with well trained and experienced staff
- Product specifications
- Appropriate equipments which are calibrated, qualified and maintained.









STERILE PRODUCTS PACKAGING

- Sterile Products
 - Packaged in separate enclosed area by trained personnel using method to ensure sterility









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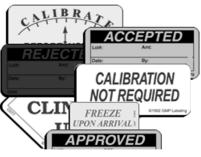


PACKAGING AND LABELING CONTROL

- Labeling reqd : avoid mix ups and cross over.
- Every container's identity.
- Labels must be signed by authorized personnel.
- Warehouse containers should indicate the status of the material, Released, rejected, on hold etc.
- Colour coding helps identify container status from a distance.



LABELING



- APPROVED
 MANUFACTURING
 MRB HOLD
 QUARANTINE
- ■GMP Labeling System offers standard roll labels in a wide variety to make it easier to comply with GMP regulations and ISO 9000 requirements.
- ■GMP labels help you identify components, pilot batches, raw materials, in-process materials, and areas in your laboratory and in production. GMP labels are designed in distinctive shapes, sizes, colors, and color coded titles to prevent lost identities, mixups and errors.

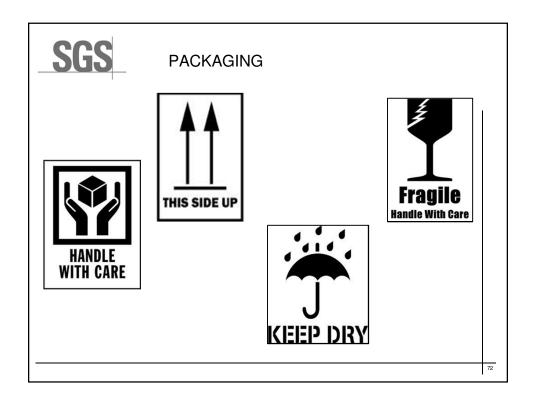
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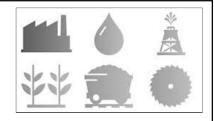
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PACKAGING

- Retains the quality of the product during its shelf life.
- Should sustain all weathers and climates
- Should have all details identifying the product and tracing it to its origin
- The packing and labeling material is in the control of authorized personnel.







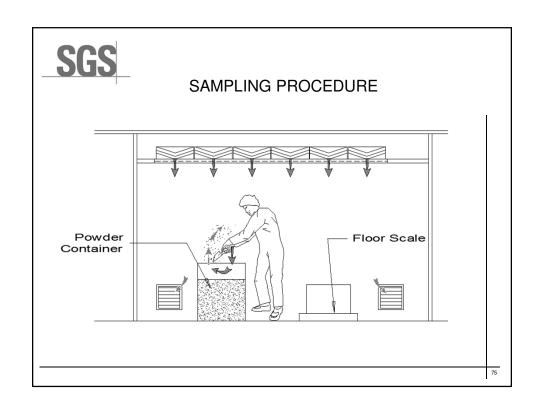
PRIMARY MATERIALS

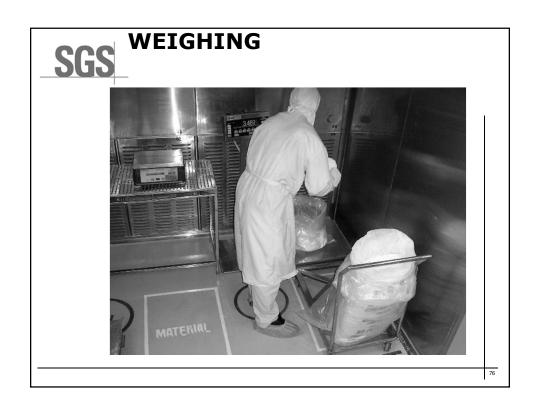
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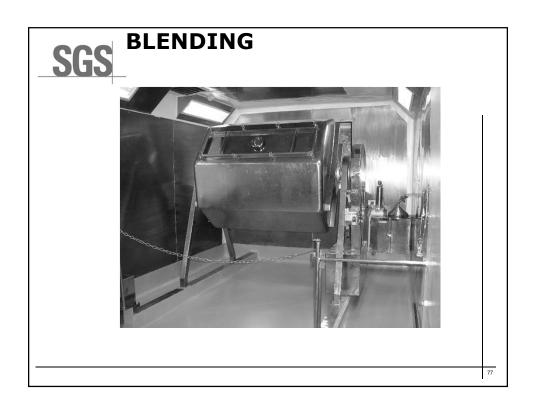
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MATERIAL HANDLING









SGS RAW MATERIALS

- Proper conditions (temperature, humidity)
- Frozen raw materials kept at 4°C or below (do not allow thawing)
- Appropriate stock rotation
- Pest control programs
- Sufficient space

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SGS END PRODUCTS

- Stored and handled to prevent deterioration
- Returned, defective products identified and isolated
- Stock rotation
- Adequate lighting
- Pest control programs
- Cleaning and sanitizing programs
- Well ventilated



_ SAMPLES AND STABILITY

- Samples
 - Retain samples of each lot of raw material and finished product for specified period of time
- Stability
 - Establish the length of time in which the product meets all specifications
 - Monitor the drug for this period of time

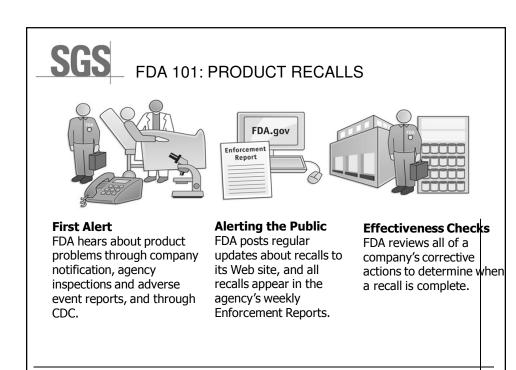




PRODUCT RECALL PROCEDURES

- ■Written and tested product recall program
- ■Written recall procedures
 - person responsible- recall team
 - step-by-step procedures described
 - product traceability- product coding distribution records
 - means of notifying customers, retailers or wholesalers
 - means of coordinating recall with regulatory agencies
- ■Addressing the complaint and follow ups
- ■Adverse experience reports







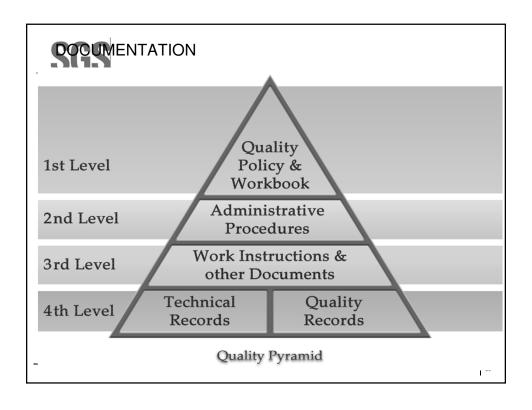
PROCESSES DEFINED AND RECORDED

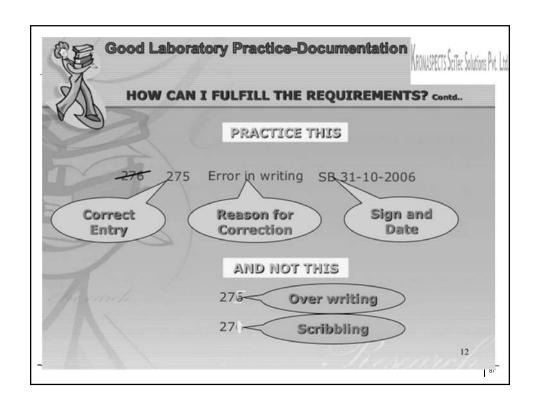
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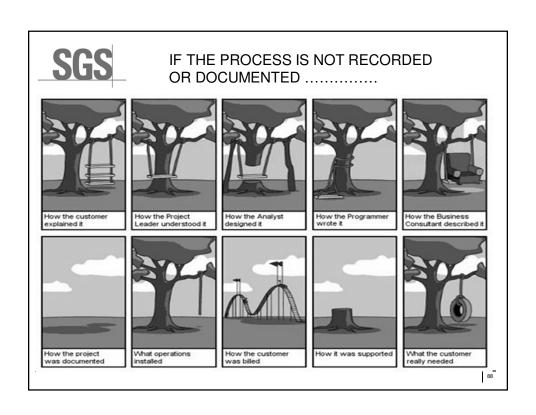


SGS DOCUMENTATION

- Quality Manual policy statements on the way a company intends to carry out its business
- Operating Procedures what a company does and how it achieves stated policies
- Support Documentation how a company carries out what it says it does (in detail)

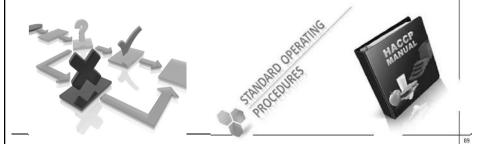








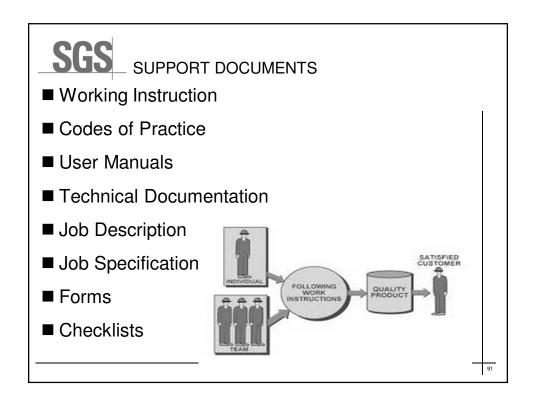
- Required by FDA, "If it's not documented, it didn't happen..."
- Required for procedures.
- Validation, documentation required for critical processes to show results meet quality attributes.



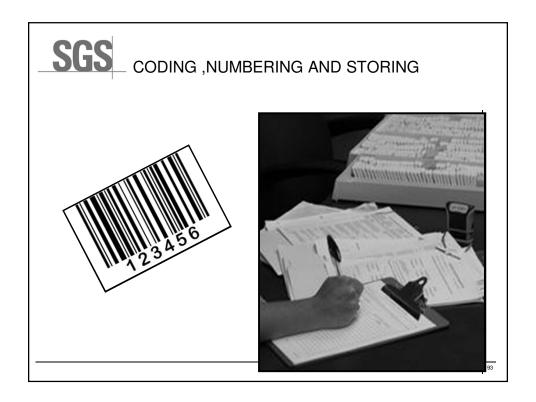
STANDARD OPERATING PROCEDURE)



- What to do, who does it and when
- Not static; continuously adjusted
- Simple
- Training aid
- Prevent 'subject-to-change-without-notice' situation
- Provide written standard for audits
- Effective; detail, simplicity and practicality

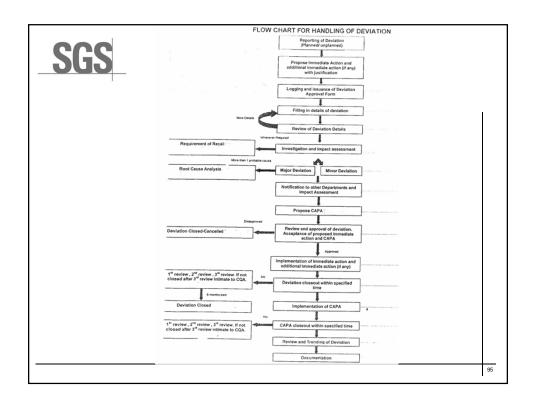


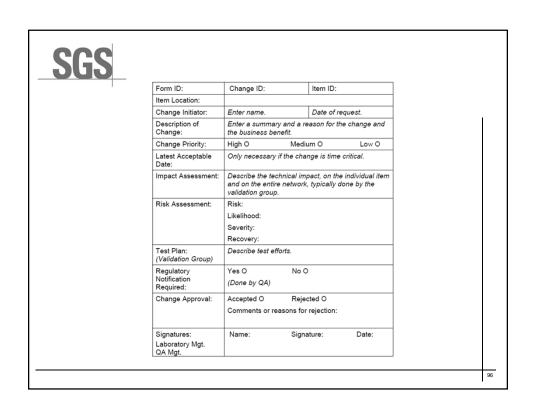


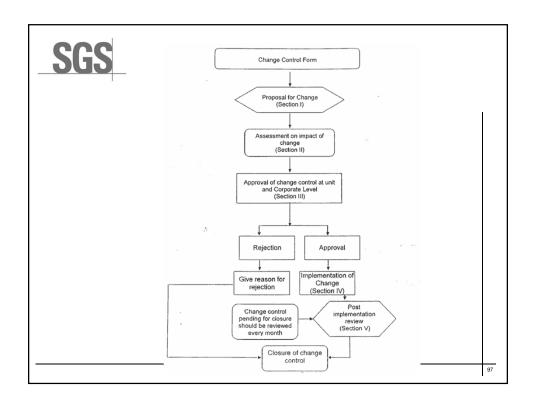


DEVIATION CONTROL AND CHANGE CONTROL

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_ SELF-INSPECTION

- Purpose is to evaluate whether a company's operations remain compliant with GMP
- The programme should
 - cover all aspects of production and quality control
 - be designed to detect shortcomings in the implementation of GMP
 - recommend corrective actions
 - set a timetable for corrective action to be completed
- Should be performed routinely
- Also on special occasions such as
 - Recalls
 - Repeated rejections



99



SELF-INSPECTION (CONT'D)

- Performed by team appointed by management, with:
 - authority
 - sufficient experience, expertise in their own field. knowledge of GMP
 - may be from inside or outside the company
- Frequency should normally be at least once a year
 - May depend on company requirements
 - Size of the company and activities



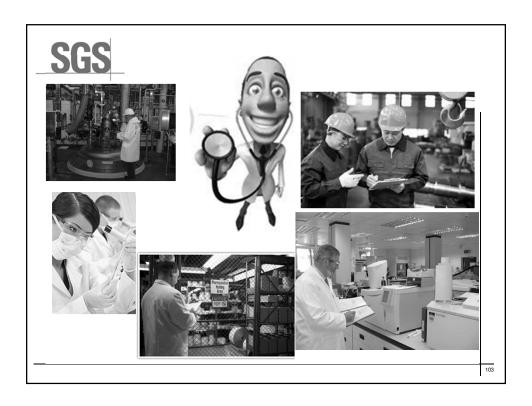


SGS SELF-INSPECTION (CONT'D)

- Report prepared at completion of inspection, including:
 - results
 - evaluation
 - conclusions
 - recommended corrective measures
- Follow-up action
 - Effective follow-up programme
 - Company management to evaluate b the report and corrective actions



- Response to Inspector's queries during the course of inspections
- Inspection outcome and its consequences (with examples)
- Short notice and Surprise inspections
- · All time readiness and its importance



SGS SUMMARY-CGMP

- FDA-Mandated
- Part of our commitment to quality
- Help us ensure safe, effective, consistent product
- Is everyone's responsibility

10 GOLDEN RULES OF GMP

- 1. Be "fit" for your job
- 2. Stay "fit" for your job
- 3. Have plant and machinery always "fit" for intended use
- 4. Maintain the plant and machinery always fit for intended use
- 5. Have a stable and capable process
- 6. Validate your process
- 7. Have written operating procedures for your work
- 8. Follow the written operating procedures in your work
- 9. Cross check and report your data as you do it
- 10. Audit for continued conformance

105

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BEYOND GMP

- Reduce pollution -→ Zero discharge
- Adaptation of environment friendly methods
- Consideration for better & healthier life tomorrow
- Consideration of ethics in life
- One should begin with end in mind otherwise it will be the beginning of the end











REFERENCES AND CREDITS

ALL LOGOS, IMAGES AND DATA BELONG TO THEIR RESPECTIVE WEBSITES AND REFERENCES



Topic: "Introduction to Quality Management"



References:- ISO 9000 :2005 (E)

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Quality Management

What is Quality after all?





Quality Management

ISO 9000: 2000 defines Quality as:

 $\hbox{``Degree to which a set of inherent characteristics fulfills requirement''}$



3

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Quality Management

Which is of a better Quality?







Quality Management

ISO 9000: 2000 defines the Quality management as:

" coordinated activities to direct and control an organization with regard to quality"



Total Quality Management

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Quality Management

ISO 9000: 2000 defines the Quality control as:

"Part of quality management, focused on providing confidence that quality requirements will be fulfilled"





Quality Management

ISO 9000: 2000 defines the Quality Control as:

"Part of quality management, focused on fulfilled quality requirements"



7

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Quality Management

Quality Management Principles

Customer focus

Leadership

Involvement of people

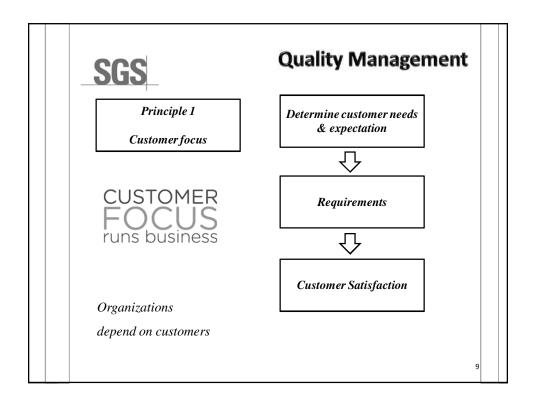
Process Approach

System Approach

Continual Improvement

Factual Approach to Decision Making

Mutually Beneficial Supplier Relationship





Quality Management



Principle 3 - Involvement of people

- People are the essence of the organization
- Their full involvement enables using their abilities to the benefit of the organization.

1

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Quality Management



Principle 4 - Process approach

A desired result is more effectively achieved when resources and activities are managed as a process.

Quality Management



Principle 5 - System approach

Identifying, understanding and managing a system of interrelated process for a given objective contributes to effectiveness and efficiency.

13

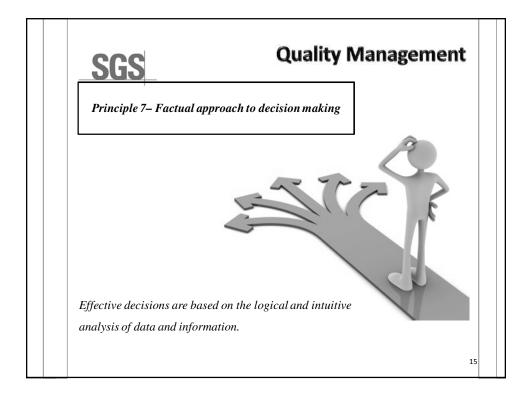
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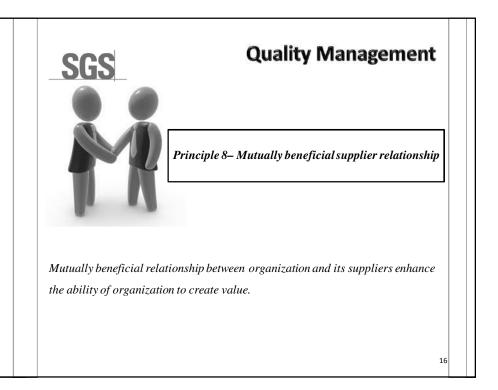
Quality Management



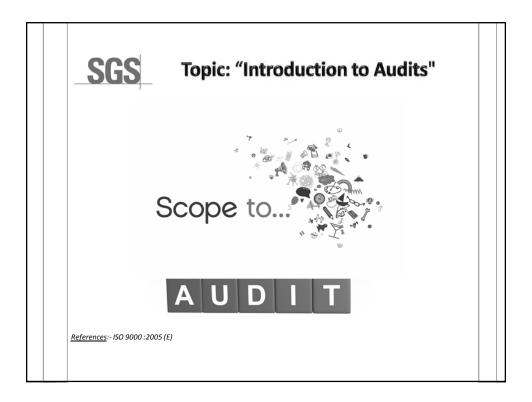
Principle 6 – Continual Improvement

Continual improvement is a permanent objective of the management





THANK YOU FOR YOUR ATTENTION



Introduction to Audits

"Systematic, Independent and documented process of obtaining audit evidence and evaluating it objectively to determine the extent of which audit criteria are fulfilled"



Introduction to Audits

Purpose of Audit



- ✓ To determine conformity.
- ✓ To determine the effectiveness.
- ✓ To provide opportunity to improve.
- \checkmark To meet the regulatory requirements.
- ✓ For certification.

3

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Introduction to Audits

Reason to conduct Audit



- ✓ New Supplier.
- ✓ Regular review of suppliers.
- ✓ Contractual requirement.
- ✓ Changes in system.
- ✓ Increased orders.
- ✓ Quality Problems.

Introduction to Audits

Benefits

Give the management confidence.



- Give customers confidence.
- $Observe\ operational\ problems.$
- Provide opportunity for improvement.
- Provide feedback for CAPA.

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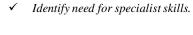
Introduction to Audits

Initial Document review

Understand the system



Assist planning





- Identify problems
- Provide opportunity to fill the gaps
- Assess readiness

Introduction to Audits

Conformance Audit or Implementation Audit







Work Practices

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Introduction to Audits

ISO 10011 guidelines for Auditing quality system

Part - 1: Auditing.

Part – 2 : Qualification criteria for quality system auditors.

Part - 3: Management of audit programmes.

Introduction to Audits

Auditing

Audit objectives.

Roles and Responsibilities of Auditors, Clients, Auditees.

Auditing.

Audit documents.

Audit completion.

Corrective action follow - up



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Introduction to Audits

Qualification criteria for quality system Auditors

Education.

Training.

Experience.

Personal attributes.

Management Capabilities.

Language.

Selection of lead auditor.



Introduction to Audits

Management of audit programmes

Organization.

Standards.

Qualification of Staff.

Monitoring of Auditors performance.

Operational factors.

Joint audits.

Code of ethics.

1

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Introduction to Audits

Fundamentals of Auditing - General Principles

Independence – The basis for the understanding & reliability.

Ethical conduct – The foundation of integrity

Fair presentation – Reporting truthfully and accurately

Evidence – The rational basis for conclusions

Due care – Reasonable care in all matters.

Introduction to Audits

Auditing Activities

Initiating the audit.

Initial document review.

Preparing for the on- site audits.

 $On-site\ auditing\ activities.$

Reporting on the audit.

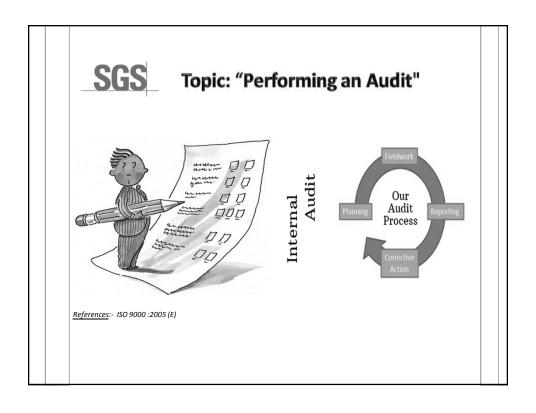
Audit completion.

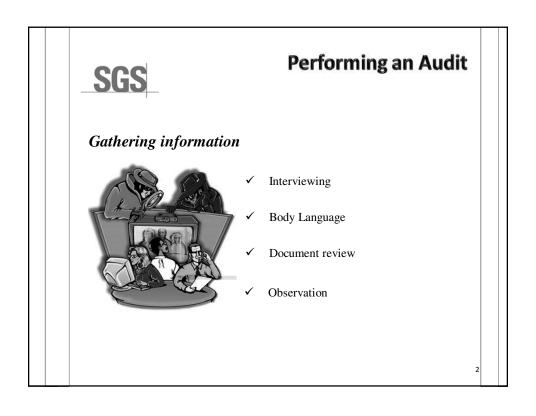
Audit follow – up.

13

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THANK YOU FOR YOUR ATTENTION







Performing an Audit

Document review



- ✓ Quality Manual.
- ✓ SOPs.
- ✓ Work instructions.
- ✓ Records.

3

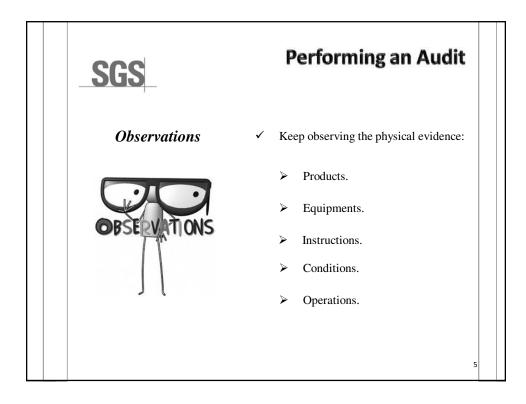
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Performing an Audit

Sample of record



- ✓ No time to check everything.
- ✓ Select representative sample.
- ✓ No set percentage.
- ✓ Representation of actions.
- ✓ Cover relevant period.
- ✓ Look at controls.



Performing an Audit Observations If u had checked a Gauge: What is it used for? Need it be calibrated? Was it calibrated? Is there a record. What is the reading Is the reading within the acceptance criteria

Performing an Audit

Audit Trial:

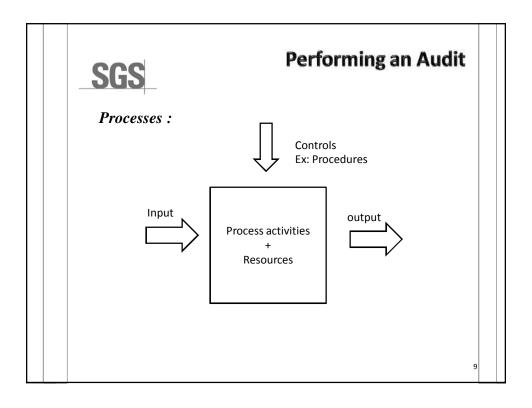


- Select Job (s).
- Follow it through.
- > Select pertinent records.
- ➤ Were all activities performed?
- ➤ Were the procedures or plans followed?

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Performing an Audit

Identification and control of processes their sequence and interaction is critical for effective quality Management.



Performing an Audit

Preparing to audit process

- > Identify the purpose.
- Ownership.
- ➤ Identify input.
- > Identify indented output.
- > Establish the flow of activities.
- ➤ What resources are used?
- ➤ What are the controls?
- ➤ How it is monitored?
- > Responsibilities and authorities?

Performing an Audit

Audit the System:

- > Follow the process through.
- > Select pertinent records.
- ➤ Were all activities performed?
- ➤ Were the control effective?
- ➤ Are the intended outputs achieved?
- ➤ Identification?
- > Status with respect to measurement and monitoring?
- Storage location & conditions?

1:

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Performing an Audit

Always take notes:

- Explain the need to take notes to auditee.
- Make your notes:
 - ☐ Comprehensive.
 - ☐ Accurate.
 - ☐ Precise.
 - ☐ Legible.

THANK YOU FOR YOUR ATTENTION



Planning Our Audit Process

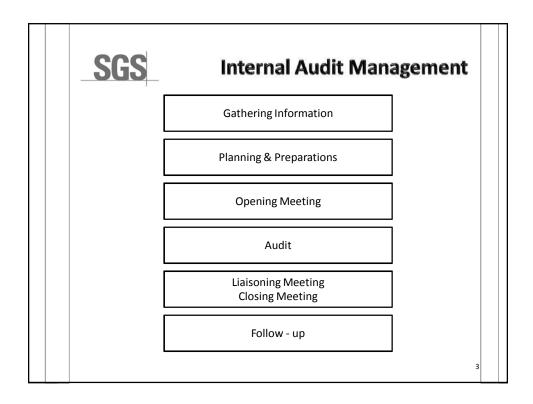
Corrective Action

References:- ISO 9000 :2005 (E)

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Internal Audit Management

- ✓ Audits are expensive.
- ✓ Audits must be well managed.
- ✓ Audit must not be carried out "by surprise"
- ✓ Always agree mutually convenient dates well in advance.



Auditing by areas versus Auditing by department Internal Audit Management Internal Audit Management Auditing by areas independent indepe



Internal Audit Management

Audit the system



- ✓ Mapping the system.
 - Processes
 - ☐ Input & Outputs
 - □ Controls
 - ☐ Sequence
 - ☐ Interactions
- ✓ Always agree mutually convenient dates well in advance.

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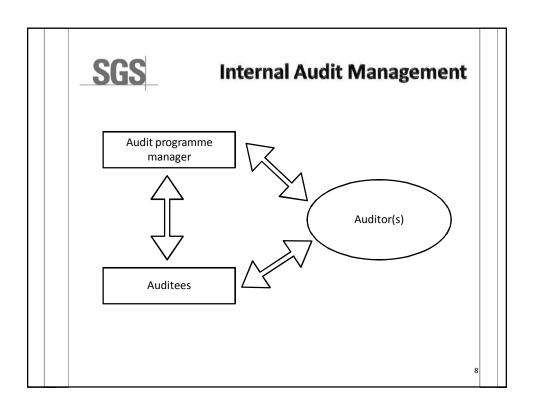
Internal Audit Management

How to programme internal audits?



- ✓ Consider:
 - Importance of activity.
 - ☐ Status of activity.
 - ☐ Results of previous audits.
 - ☐ Minimize disturbance.
 - Staff availability.

Four Phases – Typical Time Allocation Preparation 40% Performance 40% Reporting 10% Follow – up 10%



Internal Audit Management

Brief from audit programme manager:

- ☐ Area to be audited.
- ☐ Scope of the audit.
- ☐ Reason for the audit.
- ☐ Dates, duration, size of team.

5

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Internal Audit Management

Audit Scope:



- Boundaries of the Audit
 - ✓ Locations.
 - Parts of Organisation.

Internal Audit Management

Information on the area to be audited



- What do they do?
- How big are they?
- Complexity of operations

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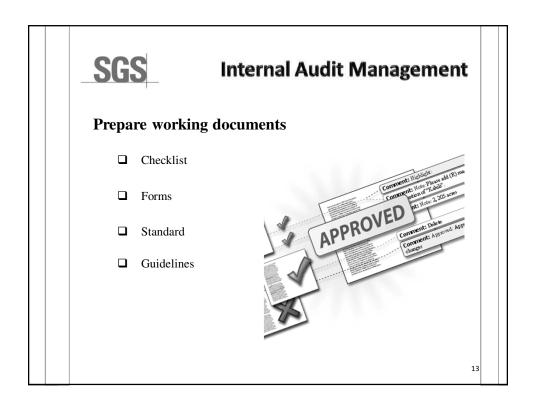
Internal Audit Management

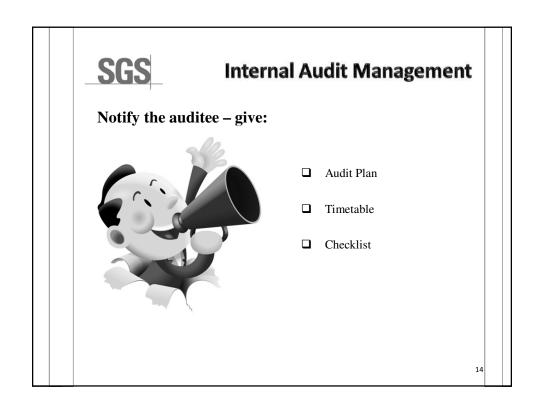
Planning

- ☐ Determine amount of work.
- Prepare plan.
- ☐ Prepare working documents.

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☐ Keep auditee advised, agree date and time.







Internal Audit Management

Meetings:



☐ Opening Meeting ☐ Closing Meeting ☐ Team Liaison Meeting

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Internal Audit Management

Meetings:

- ☐ Be prepared.
- ☐ Have agenda ready.
- ☐ Take note of attendees.
- ☐ Seating plan



Manage the time!

Internal Audit Management

Opening & Closing Meetings:

- ☐ Be prepared on Time
- ☐ All team participants
- ☐ Area Management
- ☐ Team leader chairs the meeting

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Internal Audit Management

Opening meeting agenda:



- ☐ Introduce the team.
- Reason, Scope and Criteria.
- ☐ Review audit plan and methods.
- Explain about sampling.
- ☐ Confidentiality.
- ☐ Method of reporting.
- Grading of NCR's.
- ☐ Safety requirements.
- Questions.

Internal Audit Management

Team Liaison meeting:

- To ensure smooth and effective progress of the audit
- ☐ To ensure audit scope is covered.
- ☐ To collate the findings.
- ☐ To review nonconformance's.



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Internal Audit Management

Team Liaison meeting:

- ☐ Prepare for the closing meeting.
- ☐ Review and collate the findings.
- ☐ Discuss recommendations.
- ☐ Prepare final reports.

Closing meeting agenda: Thank the auditee and reintroduce the team. Recap reason, scope and criteria. Report the observations, positive and negative. Disclaimers Overall Summary. Questions & Answers. Corrective actions & time - scale Follow - up

Follow – up action At agreed time Review of documentary evidence. Re- Audit on the side. Only review of corrective actions. Don't start it all over again.

Internal Audit Management

Follow - up documentary evidence

- ☐ Record.
- ☐ Training certificates.
- □ Amended procedures.
- ☐ Photographs.
- ☐ Videos.

2

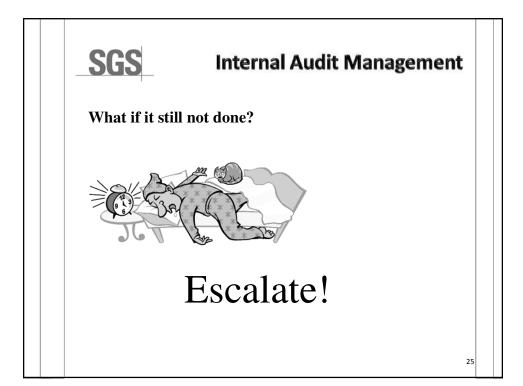
SGS

Internal Audit Management

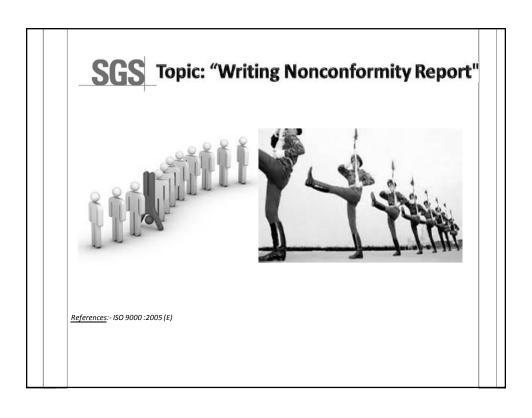
What if they are late?

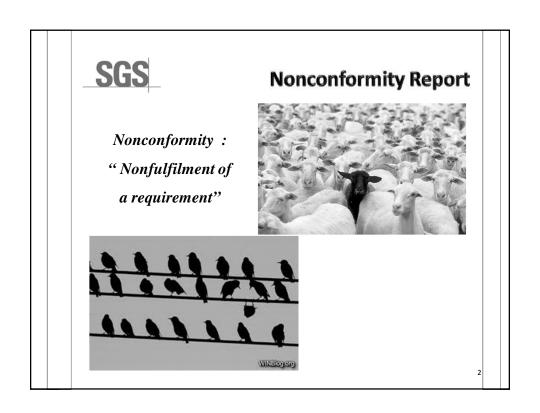


Give them more time if possible!!!



THANK YOU FOR YOUR ATTENTION





Nonconformity Report

NCR

- ✓ Report what was wrong
- ✓ Explain the requirement that was contravened
 - ☐ To assist investigation.
 - ☐ As self check, to avoid "inventing the requirements.



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Nonconformity Report

Exercise - 1

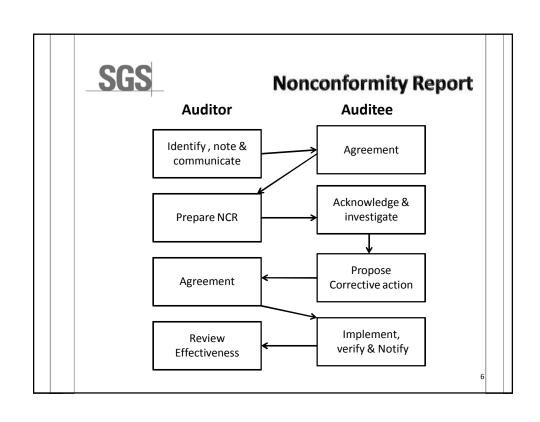
Production department, block $-\,k$, morning shift 4 out of 18 operators seen not wearing head gear (Helmets). Helmets are available at the entrance area.

SOP 22 requires that all personnel entering production must wear Helmets. Instruction is also displayed.

Nonconformity Report

- ✓ Area: Production Block K
- ✓ Problem: During the morning shift 4 out of 18 operators were not wearing head gear.
- Requirement (s): Production personnel, as per the clause / SOP, requires that all the personnel in production must wear helmets
- ✓ Category: Minor
- ✓ Sign & date:
- ✓ Acknowledgment:

.







Observer:

Delegate Attendance Record

| Course: | | | |
|----------------|-------|-------|--|
| Dates: | | | |
| Location: | | | |
| | | | |
| Lead tutor: | Sign: | Date: | |
| Support tutor: | Sign: | Date: | |

| Delegate name: (AS YOU WISH IT TO APPEAR ON YOUR CERTIFICATE) | | Day 1 (DELEGATE SIGNATURE REQUIRED) | Day 2 (DELEGATE SIGNATURE REQUIRED) | Day 3 (DELEGATE SIGNATURE REQUIRED) | Day 4 (DELEGATE SIGNATURE REQUIRED) | Day 5 (DELEGATE SIGNATURE REQUIRED) |
|---|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |



Delegate Attendance Record

| Course: | |
|-----------|--|
| Dates: | |
| Location: | |
| | |

| Lead tutor: | S | Sign: | Date | : |
|----------------|---|-------|------|---|
| Support tutor: | S | Sign: | Date | : |
| Observer: | | | · | |

| Delegate name: (AS YOU WISH IT TO APPEAR ON YOUR CERTIFICATE) | Day 1 (DELEGATE SIGNATURE REQUIRED) | Day 2 (DELEGATE SIGNATURE REQUIRED) | Day 3 (DELEGATE SIGNATURE REQUIRED) | Day 4 (DELEGATE SIGNATURE REQUIRED) | Day 5 (DELEGATE SIGNATURE REQUIRED) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |



Delegate Post Course Evaluation Questionnaire

| Course title: | Course o | date: | | | | | | | |
|--|-------------|----------|-------------|----------|--------|--------|---------|----------------|-----------------|
| Course location: Course tutor: | | | | | | | | | |
| About you (Optional) | | | | | | | | | |
| Name:Email: | | | | | | | | | |
| Company name:Job title: | | | | | | | | | |
| Would you like to receive further information on courses? | YES / | NO | (if YES | please | comple | te nam | e & ema | il details | s above) |
| About the C | Course | • | | | | | | | |
| Please rate, the training you have just received from SGS excellent/completely): | on a sca | ale fr | om 1 | (bein | g po | or/no | t at a | II) to | 4 (being |
| How fully were the course objectives explained? | | 4 | | 3 | | 2 | | 1 | |
| How well was the course structured? | | 4 | | 3 | | 2 | | 1 | |
| How well balanced was the mix of lecture and delegate activities? | ? 🗖 | 4 | | 3 | | 2 | | 1 | |
| How valuable did you find the workshops? | | 4 | | 3 | | 2 | | 1 | |
| Were the course objectives fully met? | | 4 | | 3 | | 2 | | 1 | |
| Were your learning objectives fully met? | _ | 4 | | 3 | | 2 | | 1 | |
| Was the course duration: If you answered too short | t or too lo | ng, p | lease (| explai | n why | /? | | | |
| □ About right | | | | | | | | | |
| □ Too short | | | | | | | | | |
| □ Too long | | | | | | | | | |
| About the | Tutor | | | | | | | | |
| Please rate the training you have just received from SGS excellent/completely) | on a sca | ile fr | om 1 | (bein | g po | or/no | t at al | II) to | <u>4 (being</u> |
| The standard of presentation | | 4 | | 3 | | 2 | | 1 | |
| Were your questions answered clearly & concisely? | | 4 | | 3 | | 2 | | 1 | |
| The level of the tutor's knowledge | | 4 | | 3 | | | | 1 | |
| A la a 4 4 la a | | | la . | | | | | | |
| About the Cours | se mate | eria | IIS | | | | | | |
| Please rate the training you have just received from SGS excellent/completely) | on a sca | ile fr | <u>om 1</u> | (bein | g po | or/no | t at al | <u>II) to </u> | <u>4 (being</u> |
| Were the handouts and course manual informative? | _ | 1 4 | _ | ر د ر | _ | 1 2 | |] 1 | |
| Were the visual aids helpful? | | 4 1 4 | | 3 3 | | 2 | |] 1 | |



Delegate Post Course Evaluation Questionnaire

| | About th | e venue | | | | | | | |
|-----------------------------|---|---------------|------|--------|--------------|-------------|--------------|--------|----------------|
| Please rate excellent/co | e the training you have just received from SG ompletely) | GS on a scale | fron | 1 1 (I | <u>being</u> | poo | r/not | at al | ll) to 4 (bein |
| What did you | u think about the standard of training facilities? | | | | | | | | |
| | About the room | | 4 | | 3 | | 2 | | 1 |
| | About the environment | | 4 | | 3 | | 2 | | 1 |
| Were the foo | od & refreshment of a high standard? | | 4 | | 3 | | 2 | | 1 |
| | Gen | eral | | | | | | | |
| Please rate excellent/co | e the training you have just received from SG ompletely) | GS on a scale | fron | 1 (l | <u>peing</u> | <u> poo</u> | <u>r/not</u> | at al | l) to 4 (bein |
| Overall the | enjoyment of the course | | 4 | | 3 | | 2 | | 1 |
| Overall, the | service you received from SGS Training | | 4 | | 3 | | 2 | | 1 |
| | | | | | | | | | |
| - | sed an SGS website in the past 3 months? YE an SGS website, what did you use it for: | ES / NO | | | | | | | |
| | Contacting SGS to reserve a place on a training | course | | | | | | | |
| | Training course prices | | | | | | | | |
| | Finding the contact details (addresses and phone | e numbers) of | SGS | office | s to l | ook a | a trair | ning c | ourse |
| | Learning about specific SGS training courses | | | | | | | | |
| | Getting information about SGS offices and training | ng centres | | | | | | | |
| | General browsing and research | | | | | | | | |
| | Other – please specify | | | | | | | | |
| | | | | | | | | | |

THANK YOU